

Ashutosh Dash

List of Publications by Year in descending order

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Version: 2024-02-01

221
papers

3,205
citations

218677

26
h-index

254184

43
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224
all docs

224
docs citations

224
times ranked

2444
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation and clinical translation of [¹⁷⁷ Lu]Lu-trastuzumab for radioimmunotheranostics of metastatic breast cancer. RSC Medicinal Chemistry, 2021, 12, 263-277.	3.9	11
2	Smart YPO ₄ :Er ³⁺ Yb Nanophosphor for Optical Heating, Hyperthermia, Security Ink, Cancer Endoradiotherapy, and Uranyl Recovery. ACS Applied Nano Materials, 2021, 4, 850-860.	5.0	15
3	Effect of structural variation on tumor targeting efficacy of cationically charged porphyrin derivatives: Comparative in-vitro and in-vivo evaluation for possible potential in PET and PDT. European Journal of Medicinal Chemistry, 2021, 213, 113184.	5.5	8
4	An electrochemical technique for fabrication of Mn-54 sources towards characterization of gamma counting nuclear instruments. Applied Radiation and Isotopes, 2021, 173, 109736.	1.5	1
5	Mechanochemically synthesized mesoporous alumina: An advanced sorbent for post-processing concentration of ¹³¹ I for cancer therapy. Journal of Chromatography A, 2020, 1612, 460614.	3.7	2
6	A simple and robust method for radiochemical separation of no-carrier-added ⁶⁴ Cu produced in a research reactor for radiopharmaceutical preparation. Applied Radiation and Isotopes, 2020, 165, 109341.	1.5	6
7	Targeted Tumor Therapy with Radiolabeled DNA Intercalator: A Possibility? Preclinical Investigations with ¹⁷⁷ Lu-Acridine. BioMed Research International, 2020, 2020, 1-13.	1.9	3
8	Development and deployment of ¹⁴¹ Ce fiducial marker sources for supplementing nuclear diagnostic procedures. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 893-904.	1.5	0
9	Radiochemical separation of no-carrier-added ¹⁸⁶ Re from proton irradiated tungsten target. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 875-883.	1.5	1
10	Comparative In Vitro Cytotoxicity Studies of ¹⁷⁷ Lu-CHX- ³ -DTPA-Trastuzumab and ¹⁷⁷ Lu-CHX- ³ -DTPA-F(ab ²)-Trastuzumab in HER2-Positive Cancer Cell Lines. Cancer Biotherapy and Radiopharmaceuticals, 2020, 35, 177-189.	1.0	6
11	Formulation of "ready-to-use"™ human clinical doses of ¹⁷⁷ Lu-labeled bisphosphonate amide of DOTA using moderate specific activity ¹⁷⁷ Lu and its preliminary evaluation in human patient. Radiochimica Acta, 2020, 108, 661-672.	1.2	0
12	A systematic study on the uptake of ⁵⁷ Co ions on amidoxime functionalized PAN-PVDF beads: preliminary studies towards fabrication of ⁵⁷ Co point sources. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 879-885.	1.5	1
13	Targeted Radionuclide Therapy of Painful Bone Metastases: Past Developments, Current Status, Recent Advances and Future Directions. Current Medicinal Chemistry, 2020, 27, 3187-3249.	2.4	12
14	One decade of 'Bench-to-Bedside' peptide receptor radionuclide therapy with indigenous [Lu]Lu-DOTATATE obtained through 'Direct' neutron activation route: lessons learnt including practice evolution in an Indian setting. American Journal of Nuclear Medicine and Molecular Imaging, 2020, 10, 178-211.	1.0	3
15	Multicomponent Versus Classical Geothermometry: Applicability of Both Geothermometers in a Medium-Enthalpy Geothermal System in India. Aquatic Geochemistry, 2019, 25, 91-108.	1.3	7
16	An improved kit formulation for one-pot synthesis of [^{99m} Tc]Tc-HYNIC-E[c(RGDfK)] ₂ for routine clinical use in cancer imaging. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 823-834.	1.0	3
17	Design, synthesis, and comparative evaluation of ^{99m} Tc(CO) ₃ labeled N-terminal and C-terminal modified asparagine-glycine-arginine peptide constructs. Journal of Peptide Science, 2019, 25, e3192.	1.4	6
18	Synthesis and Preliminary Biological Evaluation of ¹⁷⁷ Lu-Labeled Polyhydroxamic Acid Microparticles Toward Therapy of Hepatocellular Carcinoma. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 306-315.	1.0	5

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19	Fabrication of miniature ¹⁴¹ Ce sources by chemical deposition towards possible use in the performance evaluation of gamma cameras - A feasibility study. Applied Radiation and Isotopes, 2019, 154, 108865.	1.5	1
20	Preparation and preliminary bioevaluation studies of ⁶⁸ Ga- ⁹⁰ Y-rituximab fragments as radioimmunosciintigraphic agents for non-Hodgkin lymphoma. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 850-859.	1.0	10
21	A facile method for electrochemical separation of ¹⁸¹ Re from proton irradiated natural tungsten oxide target. Applied Radiation and Isotopes, 2019, 154, 108885.	1.5	4
22	Preparation of ¹⁷⁷ Lu-labeled Nimotuzumab for radioimmunotherapy of EGFR-positive cancers: Comparison of DOTA and CHX-DTPA as bifunctional chelators. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 158-165.	1.0	7
23	¹⁴¹ Ce-labeled DOTMP: A theranostic option in management of pain due to skeletal metastases. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 178-189.	1.0	7
24	Effect of Macro-Cyclic Bifunctional Chelators DOTA and NODAGA on Radiolabeling and <i>In Vivo</i> Biodistribution of ⁶⁸ Ga Cyclic RGD Dimer. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 427-435.	1.0	8
25	Understanding water circulation with tritium tracer in the Tural-Rajwadi geothermal area, India. Applied Geochemistry, 2019, 109, 104373.	3.0	9
26	Solid state synthesis of mesoporous alumina: A viable strategy for preparation of an advanced nanosorbent for ⁹⁹ Mo/ ^{99m} Tc generator technology. Microporous and Mesoporous Materials, 2019, 287, 271-279.	4.4	17
27	Preparation of ¹⁷⁷ Lu-Trastuzumab injection for treatment of breast cancer. Applied Radiation and Isotopes, 2019, 148, 184-190.	1.5	12
28	Facile radiochemical separation of clinical-grade ⁹⁰ Y from ⁹⁰ Sr by selective precipitation for targeted radionuclide therapy. Nuclear Medicine and Biology, 2019, 68-69, 58-65.	0.6	13
29	Preparation of [¹⁷⁷ Lu]Lu-DOTA-Ahx-Lys40-Exendin-4 for radiotherapy of insulinoma: a detailed insight into the radiochemical intricacies. Nuclear Medicine and Biology, 2019, 78-79, 31-40.	0.6	5
30	Evaluating the potential of kit-based ⁶⁸ Ga-ubiquicidin formulation in diagnosis of infection. Nuclear Medicine Communications, 2019, 40, 228-234.	1.1	17
31	Preparation and clinical translation of ^{99m} Tc-PSMA-11 for SPECT imaging of prostate cancer. MedChemComm, 2019, 10, 2111-2117.	3.4	10
32	Convenient Formulation of ⁶⁸ Ga-BPAMD Patient Dose Using Lyophilized BPAMD Kit and ⁶⁸ Ga Sourced from Different Commercial Generators for Imaging of Skeletal Metastases. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 67-75.	1.0	7
33	Utilization of Chemical Deposition Technique for Preparation of Miniature ¹⁷⁰ Tm Sources and Preliminary Quality Assessment for Potential Use in Brachytherapy. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 24-32.	1.0	2
34	Studies on batch formulation of a freeze dried kit for the preparation of ^{99m} Tc-HYNIC-TATE for imaging neuroendocrine tumors. Applied Radiation and Isotopes, 2019, 145, 180-186.	1.5	5
35	Comparison of the efficacy of ¹⁷⁷ Lu-EDTMP, ¹⁷⁷ Lu-DOTMP and ¹⁸⁸ Re-HEDP towards bone osteosarcoma: an <i>in vitro</i> study. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 51-59.	1.5	5
36	Radionuclide generators: the prospect of availing PET radiotracers to meet current clinical needs and future research demands. American Journal of Nuclear Medicine and Molecular Imaging, 2019, 9, 30-66.	1.0	14

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37	Barium titanate microparticles as potential carrier platform for lanthanide radionuclides for their use in the treatment of arthritis. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 522-532.	1.0	0
38	Studies towards elucidating the potential of 5,10,15,20-tetrakis(<i>p</i> -carboxy-methyleneoxyphenyl)porphyrin as a theranostic agent for applications in PET and PDT. <i>MedChemComm</i> , 2018, 9, 657-666.	3.4	5
39	Comparative Evaluation of Using NOTA and DOTA Derivatives as Bifunctional Chelating Agents in the Preparation of ⁶⁸ Ga-Labeled Porphyrin: Impact on Pharmacokinetics and Tumor Uptake in a Mouse Model. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2018, 33, 8-16.	1.0	13
40	Clinical experience with indigenous kit-based preparation of ⁶⁸ Ga-DOTATOC using commercial ⁶⁸ Ge/ ⁶⁸ Ga generator. <i>Applied Radiation and Isotopes</i> , 2018, 136, 59-64.	1.5	2
41	An electrochemical approach for removal of radionuclidic contaminants of Eu from ¹⁵³ Sm for effective use in metastatic bone pain palliation. <i>Nuclear Medicine and Biology</i> , 2018, 58, 8-19.	0.6	8
42	A Systematic Comparative Evaluation of ⁶⁸ Ga-Labeled RGD Peptides Conjugated with Different Chelators. <i>Nuclear Medicine and Molecular Imaging</i> , 2018, 52, 125-134.	1.0	5
43	Clinically Relevant Radioactive Dose Formulation of ¹⁷⁷ Lu-Labeled Cetuximab Fab Fragment for Potential Use in Cancer Theranostics. <i>ChemistrySelect</i> , 2018, 3, 242-248.	1.5	2
44	Syntheses and evaluation of ⁶⁸ Ga and ¹⁵³ Sm labeled ^{99m} Tc-DOTA conjugated bisphosphonate ligand for potential use in detection of skeletal metastases and management of pain arising from skeletal metastases. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1618-1626.	3.2	10
45	Birnessite: A New Generation and Cost Effective Ion Exchange Material for Separation of Clinical Grade ⁹⁰ Y from ⁹⁰ Sr/ ⁹⁰ Y Mixture. <i>ChemistrySelect</i> , 2018, 3, 10670-10676.	1.5	6
46	⁶⁸ Ga-NOTA-ubiquitin fragment for PET imaging of infection: From bench to bedside. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 245-251.	2.8	24
47	Synthesis and evaluation of ⁶⁸ Ga labeled palmitic acid for cardiac metabolic imaging. <i>Applied Radiation and Isotopes</i> , 2018, 140, 35-40.	1.5	1
48	Ready-to-use ¹⁷⁷ Lu-Rituximab injection for Non-Hodgkin's Lymphoma: Formulation and preliminary clinical study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 849-856.	1.5	1
49	Multidose formulation of ready-to-use ¹⁷⁷ Lu-PSMA-617 in a centralized radiopharmacy set-up. <i>Applied Radiation and Isotopes</i> , 2018, 139, 91-97.	1.5	13
50	Gallium-68 labeled Ubiquitin derived octapeptide as a potential infection imaging agent. <i>Nuclear Medicine and Biology</i> , 2018, 62-63, 47-53.	0.6	18
51	Nanomaterial-Based Adsorbent: Promises, Opportunities, and Challenges to Develop Column Chromatography Radionuclide Generators for Nuclear Medicine. <i>Separation and Purification Reviews</i> , 2017, 46, 91-107.	5.5	10
52	Development of Semiautomated Module for Preparation of ¹³¹ I Labeled Lipiodol for Liver Cancer Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2017, 32, 33-37.	1.0	6
53	An electroamalgamation approach to separate ⁴⁷ Sc from neutron-activated ⁴⁶ Ca target for use in cancer theranostics. <i>Separation Science and Technology</i> , 2017, 52, 2363-2371.	2.5	16
54	A systematic study on the utility of CHX-A-DTPA-NCS and NOTA-NCS as bifunctional chelators for ¹⁷⁷ Lu radiopharmaceuticals. <i>Applied Radiation and Isotopes</i> , 2017, 127, 1-6.	1.5	15

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55	A multi-isotope approach for formulation of human clinical doses of ¹⁷⁷ Lu-DOTMP at hospital radiopharmacy for management of pain arising from skeletal metastases. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 410-419.	1.0	7
56	Formulation, Characterization and Bio-evaluation of Holmium-166 labeled Agglomerated Iron Oxide Nanoparticles for Treatment of Arthritis of Knee Joints. Materials Today: Proceedings, 2017, 4, 4329-4338.	1.8	6
57	In Vitro Evaluation of ¹⁸⁸ Re-HEDP: A Mechanistic View of Bone Pain Palliations. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 184-191.	1.0	5
58	A multi-isotope approach (O, H, C, S, B and Sr) to understand the source of water and solutes in some the thermal springs from West Coast geothermal area, India. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	12
59	Preclinical evaluation of ¹³¹ I-Bevacizumab – A prospective agent for radioimmunotherapy in VEGF expressing cancers. Applied Radiation and Isotopes, 2017, 123, 109-113.	1.5	7
60	Formulation and purification of therapeutic dose of ⁹⁰ Y-labeled peptides: Some interesting radiochemistry aspects. Applied Radiation and Isotopes, 2017, 121, 1-5.	1.5	3
61	Isotope geochemical characterization and geothermometrical modeling of Uttarakhand geothermal field, India. Environmental Earth Sciences, 2017, 76, 1.	2.7	10
62	Facile One-Pot Synthesis of Intrinsically Radiolabeled ⁶⁴ Cu-Human Serum Albumin Nanocomposite for Cancer Targeting. ChemistrySelect, 2017, 2, 8043-8051.	1.5	5
63	A Novel ¹⁴¹ Ce-Based Flood Field Phantom: Assessment of Suitability for Daily Uniformity Testing in a Clinical Nuclear Medicine Department. Journal of Nuclear Medicine Technology, 2017, 45, 225-229.	0.8	2
64	Preparation and Evaluation of ¹⁷⁷ Lu-Labeled Gemcitabine: An Effort Toward Developing Radiolabeled Chemotherapeutics for Targeted Therapy Applications. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 239-246.	1.0	3
65	Development of ⁶⁸ Ga labeled human serum albumin for blood pool imaging: a comparison between two ligands. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 661-668.	1.5	8
66	Evaluation of groundwater tritium content and mixing behavior of Tatapani geothermal systems, Chhattisgarh, India. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 617-623.	1.5	9
67	Clinical ⁶⁸ Ga-PET: Is radiosynthesis module an absolute necessity?. Nuclear Medicine and Biology, 2017, 46, 1-11.	0.6	14
68	Preparation and preclinical evaluation of ¹³¹ I-trastuzumab for breast cancer. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 12-19.	1.0	13
69	Radiolabeling and Preliminary Evaluation of Ga-68 Labeled NODAGA-Ubiquitin Fragments for Prospective Infection Imaging. Molecular Imaging and Biology, 2017, 19, 59-67.	2.6	19
70	Preparation of Radioactive Skin Patches Using Polyhydroxamic Acid-Grafted Cellulose Films Toward Applications in Treatment of Superficial Tumors. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 364-370.	1.0	5
71	Bulk Scale Formulation of Therapeutic Doses of Clinical Grade Ready-to-Use ¹⁷⁷ Lu-DOTA-TATE: The Intricate Radiochemistry Aspects. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 266-273.	1.0	6
72	Radiolabeled inorganic nanoparticles for positron emission tomography imaging of cancer: an overview. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2017, 61, 181-204.	0.7	37

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73	Initial clinical experience with ⁶⁸ Ga-DOTA-NOC prepared using ⁶⁸ Ga from nanoceria-polyacrylonitrile composite sorbent-based ⁶⁸ Ge/ ⁶⁸ Ga generator and freeze-dried DOTA-NOC kits. World Journal of Nuclear Medicine, 2017, 16, 140.	0.5	2
74	⁹⁰ Y/ ¹⁷⁷ Lu- ϵ -labelled Cetuximab immunoconjugates: radiochemistry optimization to clinical dose formulation. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 354-363.	1.0	16
75	Prospects of medium specific activity ¹⁷⁷ Lu in targeted therapy of prostate cancer using ¹⁷⁷ Lu- ϵ -labelled PSMA inhibitor. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 364-371.	1.0	19
76	Industrial-Scale Synthesis of Intrinsically Radiolabeled ⁶⁴ CuS Nanoparticles for Use in Positron Emission Tomography (PET) Imaging of Cancer. Industrial & Engineering Chemistry Research, 2016, 55, 12407-12419.	3.7	19
77	Characterisation of ³² P beta source for external radiation protection. Radiation Measurements, 2016, 89, 52-62.	1.4	5
78	In-house preparation of macroaggregated albumin (MAA) for ⁶⁸ Ga labeling and its comparison with commercially available MAA. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 817-824.	1.5	8
79	Measurement of residence time distribution of liquid phase in an industrial-scale continuous pulp digester using radiotracer technique. Applied Radiation and Isotopes, 2016, 111, 10-17.	1.5	11
80	Development of a phantom and assessment of ¹⁴¹ Ce as a surrogate radionuclide for flood field uniformity testing of gamma cameras. Applied Radiation and Isotopes, 2016, 112, 115-121.	1.5	4
81	⁶⁴ Cu ²⁺ Ions as PET Probe: An Emerging Paradigm in Molecular Imaging of Cancer. Molecular Pharmaceutics, 2016, 13, 3601-3612.	4.6	59
82	Hydroxyapatite (HA) microparticles labeled with ³² P ϵ A promising option in the radiation synovectomy for inflamed joints. Applied Radiation and Isotopes, 2016, 116, 85-91.	1.5	6
83	Mechanochemical synthesis of mesoporous tin oxide: a new generation nanosorbent for ⁶⁸ Ge/ ⁶⁸ Ga generator technology. Dalton Transactions, 2016, 45, 13361-13372.	3.3	19
84	Synthesis and evaluation of a ⁶⁸ Ga labeled folic acid derivative for targeting folate receptors. Applied Radiation and Isotopes, 2016, 116, 77-84.	1.5	7
85	Evaluation of ¹⁷⁷ Lu-CHX-A ϵ ² -DTPA-Bevacizumab as a radioimmunotherapy agent targeting VEGF expressing cancers. Applied Radiation and Isotopes, 2016, 114, 196-201.	1.5	11
86	Reactor production of no-carrier-added ¹⁹⁹ Au for biomedical applications. RSC Advances, 2016, 6, 82832-82841.	3.6	7
87	⁶⁸ Ga labeled fatty acids for cardiac metabolic imaging: Influence of different bifunctional chelators. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5785-5791.	2.2	7
88	Detailed evaluation of different ⁶⁸ Ge/ ⁶⁸ Ga generators: an attempt toward achieving efficient ⁶⁸ Ga radiopharmacy. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 87-94.	1.0	27
89	Radionuclide Synovectomy: Treatment of Inflammation of the Synovial Joints. , 2016, , 265-278.		0
90	Reactor-Produced Therapeutic Radionuclides. , 2016, , 71-113.		2

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91	Irradiation parameters play a crucial role in the (n, \hat{p}^3) production of ^{170}Tm suitable for clinical use in bone pain palliation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1105-1113.	1.5	5
92	Therapeutic Radiopharmaceuticals for Bone Pain Palliation. , 2016, , 225-252.		2
93	Palliative care of bone pain due to skeletal metastases: Exploring newer avenues using neutron activated ^{45}Ca . <i>Nuclear Medicine and Biology</i> , 2016, 43, 140-149.	0.6	8
94	Preparation of ^{46}Sc glass microspheres by combined melt-quenching and microwave methods for applications in radioactive particle tracking experiments. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 335-340.	1.5	4
95	Radiopharmaceuticals for Therapy. , 2016, , .		42
96	A systematic evaluation of the potential of PCTA-NCS ligand as a bifunctional chelating agent for design of ^{177}Lu radiopharmaceuticals. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 187-194.	1.5	11
97	Synthesis, characterization and application of ^{198}Au nanoparticles as radiotracer for industrial applications. <i>Applied Radiation and Isotopes</i> , 2016, 111, 18-25.	1.5	6
98	Locoregional Radionuclide Therapy for Nonmelanoma Skin Cancer (NMSC). , 2016, , 253-264.		0
99	Synthesis, Characterization, Neutron Activation, and Application of Scandium Oxide Microsphere in Radioactive Particle Tracking Experiments. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3-12.	3.7	4
100	Characterization of subsurface processes estimation of reservoir temperature in Tural Rajwadi geothermal fields, Maharashtra, India. <i>Geothermics</i> , 2016, 59, 77-89.	3.4	25
101	Toward realization of "mix-and-use" approach in ^{68}Ga radiopharmacy: preparation, evaluation and preliminary clinical utilization of ^{68}Ga -labeled NODAGA-coupled RGD peptide derivative. <i>Nuclear Medicine and Biology</i> , 2016, 43, 116-123.	0.6	9
102	Preparation and evaluation of a single vial AMBA kit for ^{68}Ga labeling with potential for imaging of GRP receptor-positive cancers. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1115-1124.	1.5	4
103	Preparation & in vitro evaluation of ^{90}Y -DOTA-rituximab. <i>Indian Journal of Medical Research</i> , 2016, 143, 57.	1.0	5
104	Preliminary evaluation of indigenous ^{90}Y -labelled microspheres for therapy of hepatocellular carcinoma. <i>Indian Journal of Medical Research</i> , 2016, 143, 74.	1.0	6
105	Single vial kit formulation of DOTATATE for preparation of ^{177}Lu -labeled therapeutic radiopharmaceutical at hospital radiopharmacy. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 166-172.	1.0	5
106	^{131}I -Nimotuzumab " A potential radioimmunotherapeutic agent in treatment of tumors expressing EGFR. <i>Applied Radiation and Isotopes</i> , 2015, 102, 98-102.	1.5	11
107	Separation of ^{134}Cs and ^{137}Cs from ^{125}I solution for medical applications. <i>Radiochimica Acta</i> , 2015, 103, 313-320.	1.2	0
108	An overview of radioisotope separation technologies for development of $^{188}\text{W}/^{188}\text{Re}$ radionuclide generators providing ^{188}Re to meet future research and clinical demands. <i>RSC Advances</i> , 2015, 5, 39012-39036.	3.6	18

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109	Experimental Investigation on Interaction of Side Gas Injection with Gas Fluidized Bed Using \hat{I}^3 -Ray Transmission Technique. Industrial & Engineering Chemistry Research, 2015, 54, 11653-11660.	3.7	3
110	Diversification of $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ Separation: Non-Fission Reactor Production of ^{99}Mo as a Strategy for Enhancing $^{99\text{m}}\text{Tc}$ Availability. Journal of Nuclear Medicine, 2015, 56, 159-161.	5.0	18
111	Integrin \hat{I}^2 as a Promising Target to Image Neoangiogenesis Using In-House Generator-Produced Positron Emitter ^{68}Ga -Labeled DOTA-Arginine-Glycine-Aspartic Acid (RGD) Ligand. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 217-224.	1.0	13
112	Determination of surface dose rate of indigenous ^{32}P patch brachytherapy source by experimental and Monte Carlo methods. Applied Radiation and Isotopes, 2015, 103, 120-127.	1.5	3
113	Radiolanthanide-loaded agglomerated Fe_3O_4 nanoparticles for possible use in the treatment of arthritis: formulation, characterization and evaluation in rats. Journal of Materials Chemistry B, 2015, 3, 5455-5466.	5.8	24
114	Production of ^{177}Lu for Targeted Radionuclide Therapy: Available Options. Nuclear Medicine and Molecular Imaging, 2015, 49, 85-107.	1.0	200
115	Radiochemistry, pre-clinical studies and first clinical investigation of ^{90}Y -labeled hydroxyapatite (HA) particles prepared utilizing ^{90}Y produced by (n, \hat{I}^3) route. Nuclear Medicine and Biology, 2015, 42, 455-464.	0.6	15
116	Peptide Receptor Radionuclide Therapy: An Overview. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 47-71.	1.0	97
117	Studies on the development of ^{169}Yb -brachytherapy seeds: New generation brachytherapy sources for the management of cancer. Applied Radiation and Isotopes, 2015, 101, 75-82.	1.5	10
118	$^{64}\text{CuCl}_2$ produced by direct neutron activation route as a cost-effective probe for cancer imaging: the journey has begun. RSC Advances, 2015, 5, 91723-91733.	3.6	12
119	Synthesis and Preclinical Evaluation of ^{177}Lu -CHX-A \hat{I} -DTPA-Rituximab as a Radioimmunotherapeutic Agent for Non-Hodgkin's Lymphoma. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 240-246.	1.0	21
120	Development of a dry distillation technology for the production of ^{131}I using medium flux reactor for radiopharmaceutical applications. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 451-467.	1.5	11
121	Molecular Imaging of Breast Cancer: Role of RGD Peptides. Mini-Reviews in Medicinal Chemistry, 2015, 15, 1073-1094.	2.4	47
122	Indirect Production of No Carrier Added (NCA) ^{177}Lu from Irradiation of Enriched ^{176}Yb : Options for Ytterbium/Lutetium Separation. Current Radiopharmaceuticals, 2015, 8, 107-118.	0.8	16
123	Nano-crystalline zirconia: a viable adsorbent for the column chromatographic separation of ^{58}Co from neutron irradiated nickel targets. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1245-1251.	1.5	4
124	Preparation and deployment of indigenous ^{125}I -seeds for the treatment of prostate cancer: Dawn of prostate brachytherapy in India. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1237-1243.	1.5	2
125	Single vial kit formulation for preparation of PET radiopharmaceutical: ^{68}Ga -DOTA-TOC. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1253-1258.	1.5	9
126	Brachytherapy of intra ocular tumors using ^{125}I -Ocu-Prosta seeds: An Indian experience. Indian Journal of Ophthalmology, 2014, 62, 158.	1.1	7

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127	Radiolanthanide-labeled HA particles in the treatment of rheumatoid arthritis: ready-to-use cold kits for rapid formulation in hospital radiopharmacy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 875-881.	1.5	9
128	Comparative Assessment of Nanostructured Metal Oxides: A Potential Step Forward to Develop Clinically Useful $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ Generators using $(n, \hat{p})^{99}\text{Mo}$. <i>Separation Science and Technology</i> , 2014, 49, 1825-1837.	2.5	13
129	On the Application of Nafion Membrane for the Preparation of ^{90}Y Skin Patches, Quality Control, and Biological Evaluation for Treatment of Superficial Tumors. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2014, 29, 200-209.	1.0	3
130	Re-emergence of the important role of radionuclide generators to provide diagnostic and therapeutic radionuclides to meet future research and clinical demands. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 1053-1068.	1.5	6
131	Preparation, evaluation, and first clinical use of ^{177}Lu -labeled hydroxyapatite (HA) particles in the treatment of rheumatoid arthritis: utility of cold kits for convenient dose formulation at hospital radiopharmacy. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 453-462.	1.0	22
132	A systematic comparative evaluation of ^{90}Y -labeled bifunctional chelators for their use in targeted therapy. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 65-74.	1.0	17
133	Investigation on the influence of metal ion impurities on the complexation behavior of generator produced ^{90}Y with different bifunctional chelators. <i>Radiochimica Acta</i> , 2014, 102, 947-954.	1.2	3
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